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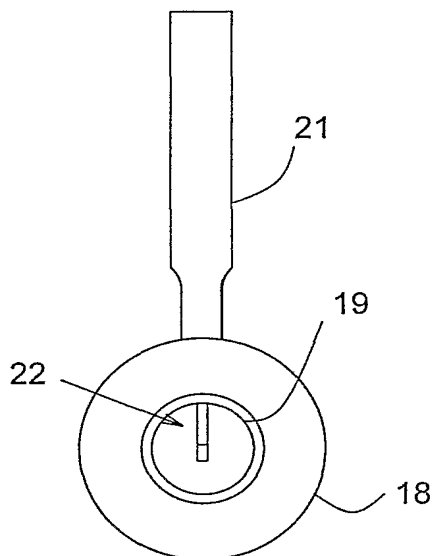
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(54) Title: FLUID FLOW METER CONDITIONING BODY WITH IMMUNITY TO INLET/OUTLET FLOW DISTURBANCES



(57) Abstract: Method and device for accurately measuring fluid flow in a conduit. A fluid flow meter conditioning body (10), in-line with the conduit, conditions the fluid flow so as to provide a flattened and invariant fluid velocity profile. The device provides high immunity to upstream and downstream non-uniform fluid velocity profiles. Fluid diffuses (15 and 18) adapt the device to different conduit sizes, eliminate field welding and conduit fittings. In a preferred embodiment thermal convection mass flow sensors and circuitry are used to further improve the accuracy of the measurement of the fluid flow.

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